## B. AMENDMENTS TO THE CLAIMS

(Currently Amended) A computer-implemented method for securing data, said method comprising: receiving, at a security module, a first password corresponding to a software application; generating, at the security module, a first mask value based on the first password: combining, at the security module, the first mask value with a first encryption key, wherein the first encryption kev is derived from a generated key and a known value, the combining resulting in a tied key; encrypting, at the security module, the tied key using a second encryption key that is associated with the security module, the encrypting resulting in an encrypted tied key; returning the encrypted tied key to the software application; determining, at the software application, that the encrypted tied key corresponds to the security module; in response to the determining, sending the encrypted tied key and a second password from the software application to the security module over a computer network, the second password being the same as the first password; receiving, at the security module, the encrypted tied key and the second password from the software application; in response to receiving the encrypted tied key and the second password, combining, at the security module, the encrypted tied key and the second [[key]] password, the combining resulting in a recovered tied key; generating a second mask value based on the second password;

separating a recovered encryption key from the recovered tied key using the second mask value, the recovered encryption key including a recovered generated key and a recovered known value; and encrypting data provided by the software application using the recovered generated key.

- 2. (Previously Canceled)
- 3. (Previously Canceled)
- 4. (Previously Canceled)
- 5. (Previously Canceled)
- 6. (Previously Amended) The computer-implemented method as described in claim 1 further comprising: determining whether the recovered known value is correct; and processing a data file based on the determination.
- 7. (Previously Amended) The computer-implemented method as described in claim 6 wherein the processing is selected from the group consisting of encrypting the data file using the recovered generated key and decrypting the data file using the recovered generated key.
- 8. (Currently Amended) An information handling system comprising:

one or more processors;

a memory accessible by the processors;

one or more nonvolatile storage devices accessible by the processors:

a hardware security module accessible by the processors;

a data security tool for securing data using the hardware security module, the data security tool including: means for receiving, at a security module, a first password corresponding to a software application;

means for generating, at the security module, a first mask value based on the first password using the hardware security module;

means for combining, at the security module, the first mask value with a first encryption key using the hardware security module, wherein the first encryption key is derived from a generated key and a known value, the combining resulting in a tied key;

means for encrypting, at the security module, the tied key using a second encryption key that is associated with the security module, the encrypting resulting in an encrypted tied key;

means for returning the encrypted tied key to the software application;

means for determining, at the software application, that the encrypted tied key corresponds to the security module; in response to the determining, sending the encrypted tied key and a second password from the software application to the security module, the second password being the same as the first password;

means for receiving, at the security module, the encrypted tied key and the second password from the software application;

means for, in response to receiving the encrypted tied key and the second password, combining, at the security module, the encrypted tied key and the second [[key]] password, the combining resulting in a recovered tied key;

means for generating a second mask value based on the second password using the hardware security module; means for separating a recovered encryption key from the recovered tied key using the second mask value, the recovered encryption key including a recovered generated key and a recovered known value; and means for encrypting data provided by the software application using the recovered generated key.

- 9. (Previously Canceled)
- 10. (Previously Canceled)
- 11. (Previously Canceled)
- 12. (Previously Canceled)
- 13. (Canceled)
- 14. (Currently Amended) A computer program product stored in a computer operable media for securing data, said computer program product comprising:

means for receiving, at a security module, a first password corresponding to a software application;

means for generating, at the security module, a first mask value based on the first password using the hardware security module;

means for combining, at the security module, the first mask value with a first encryption key using the hardware security module, wherein the first encryption key is derived from a generated key and a known value, the combining resulting in a tied key; means for encrypting, at the security module, the tied key using a second encryption key that is associated with the security module, the encrypting resulting in an encrypted tied key;

means for returning the encrypted tied key to the software application;

means for determining, at the software application, that the encrypted tied key corresponds to the security module; in response to the determining, sending the encrypted tied key and a second password from the software application to the security module, the second password being the same as the first password;

means for receiving, at the security module, the encrypted tied key and the second password from the software application:

means for, in response to receiving the encrypted tied key and the second password, combining, at the security module, the encrypted tied key and the second [[key]] password, the combining resulting in a recovered tied key; means for generating a second mask value based on the second password using the hardware security module; means for separating a recovered encryption key from the recovered tied key using the second mask value, the recovered encryption key including a recovered generated key and a recovered known value; and means for encrypting data provided by the software application using the recovered generated key.

- 15. (Previously Canceled)
- 16. (Previously Canceled)

- 17. (Previously Canceled)
- 18. (Previously Canceled)
- 19. (Original) The computer program product as described in claim 14 further comprising: means for determining whether the recovered known value is correct; and means for processing a data file corresponding to the determination.
- 20. (Original) The computer program product as described in claim 19 wherein the means for processing is selected from the group consisting of a means for encrypting the data file using the recovered generated key and a means for decrypting the data file using the recovered generated key.
- 21. (Previously Added) The method of claim 1 wherein the security module is a separate hardware security module in a computer system.
- 22. (Previously Added) The method of claim 1 wherein the generated key is at a level of security corresponding to a sensitivity level of the data being encrypted.
- 23. (Previously Added) The method of claim 1 wherein encrypting the data is performed within the security module.
- (Previously Added) The information handling system of claim 24. 8 wherein the security module is a separate hardware security module in a computer system.
- 25. (Previously Added) The information handling system of claim 8 wherein the generated key is at a level of security

- corresponding to a sensitivity level of the data being encrypted.
- 26. (Previously Added) The information handling system of claim 8 wherein encrypting the data is performed within the security module.
- 27. (Previously Added) The computer program product of claim 14 wherein the security module is a separate hardware security module in a computer system.
- 28. (Previously Added) The computer program product of claim 14 wherein the generated key is at a level of security corresponding to a sensitivity level of the data being encrypted.
- 29. (Previously Added) The computer program product of claim 14 wherein encrypting the data is performed within the security module.